

Robin 300E Beam - DMX protocol, version 1.2					
Mode/channel			DMX Value	Function	Type of control
1	2	3			
1	1	1		Pan	
			0 - 255	Pan movement by 540°	proportional
2	2	*		Pan Fine	
			0 - 255	Fine control of pan movement	proportional
3	3	2		Tilt	
			0 - 255	Tilt movement by 260°	proportional
4	4	*		Tilt fine	
			0 - 255	Fine control of tilt movement	proportional
5	5	3		Pan/Tilt speed , Pan/Tilt time	
			0	Max. speed (tracking mode)	step
				P./T. speed-set Speed Mode in menu: Pan/Tilt Mode	
			1 - 255	Speed from max. to min. (vector mode)	proportional
				P./T. time - set Time Mode in menu: Pan/Tilt Mode	
			1 - 255	Time from 0.1 s to 25.5 sec.	proportional
6	6	4		Power/Special functions	
			0 - 49	Reserved	
				To activate following functions, stop in DMX value for at least 3 s and shutter must be closed at least 3 sec. („Shutter,Strobe” channel 22/18/16 must be at range: 0-31 DMX). Corresponding menu items are temporarily overriden).	
			50 - 59	Pan/Tilt speed mode	step
			60 - 69	Pan/Tilt time mode	step
			70 - 79	Blackout while pan/tilt moving	step
			80 - 89	Disabled blackout while pan/tilt moving	step
			90 - 99	Blackout while colour wheel moving	step
			100 - 109	Disabled blackout while colour wheel moving	step
			110 - 119	Blackout while gobo wheel moving	step
			120-129	Disabled blackout while gobo wheel moving	step
				To activate following functions, stop in DMX value for at least 3 seconds.	
			130 - 139	Lamp On,reset(total reset except pan/tilt reset)	step
			140 - 149	Pan/Tilt reset	step
			150 - 159	Colour system reset	step
			160 - 169	Gobo wheels reset	step
			170 - 179	Dimmer/Shutter reset	step
			180 - 189	Focus/frost reset	step
			190 - 199	Reserved	
			200 - 209	Total reset	step
			210 - 229	Reserved	
			230 - 239	Lamp Off	step
			240 - 255	Reserved	
7	7	5		Colour wheel	
				Continual positioning	
			0	Open/white	proportional
			16	Deep red	proportional
			32	Deep blue	proportional
			48	Orange	proportional
			64	Green	proportional
			80	3200K temperature filter	proportional

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1	2	3			
			96	Amber	proportional
			112	UV filter	proportional
			128-129	White	step
				<b>Positioning</b>	
			130-137	Deep red	step
			138-145	Deep blue	step
			146-153	Orange	step
			154-163	Green	step
			164-171	3200K temperature filter	step
			172-181	Amber	step
			182-189	UV filter	step
			190 - 215	Forwards rainbow effect from fast to slow	proportional
			216 - 217	No rotation	step
			218 - 243	Backwards rainbow effect from slow to fast	proportional
			244 - 249	Random colour selection by audio control	step
				(Set microphone sensitivity in menu „Personality“)	
			250 - 255	Auto random colour selection from fast to slow	proportional
<b>8</b>	<b>*</b>	<b>*</b>		<b>Colour wheel - fine positioning</b>	
			0 - 255	Fine positioning	proportional
<b>9</b>	<b>8</b>	<b>6</b>		<b>Cyan</b>	
			0 - 255	Cyan (0-white, 255-full cyan)	proportional
<b>10</b>	<b>9</b>	<b>7</b>		<b>Magenta</b>	
			0 - 255	Magenta (0-white, 255-full magenta)	proportional
<b>11</b>	<b>10</b>	<b>8</b>		<b>Yellow</b>	
			0 - 255	Yellow (0-white, 255-full yellow)	proportional
<b>12</b>	<b>11</b>	<b>9</b>		<b>CMY colour macros</b>	
			0 - 7	No function	step
			8 - 15	Macro 1	step
			16 -23	Macro 2	step
			24-31	Macro 3	step
			32-39	Macro 4	step
			40-47	Macro 5	step
			48-55	Macro 6	step
			56-63	Macro 7	step
			64-71	Macro 8	step
			72-79	Macro 9	step
			80-87	Macro 10	step
			88-95	Macro 11	step
			96-103	Macro 12	step
			104-111	Macro 13	step
			112-119	Macro 14	step
			120-127	Macro 15	step
			128-135	Macro 16	step
			136-143	Macro 17	step
			144-151	Macro 18	step
			152-159	Macro 19	step
			160-167	Macro 20	step
			168-175	Macro 21	step
			176-183	Macro 22	step
			184-191	Macro 23	step

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1	2	3			
			192-199	Macro 24	step
			200 - 207	Macro 25	step
			208 - 215	Macro 26	step
			216 - 223	Macro 27	step
			224 - 231	Macro 28	step
			232 - 239	Macro 29	step
			240 - 243	Macro 30	proportional
			244 - 249	Random macro selection by audio control	step
				(Set microphone sensitivity in menu "PErsonality")	
			250 - 255	Auto random macro selection from fast to slow	proportional
<b>13</b>	<b>12</b>	<b>10</b>		<b>Effect Speed</b>	
				<i>Speed of CMY movement and Rot. Gobo selection</i>	
			0-255	Speed of CMY movement from max. to min.	proportional
			0 - 255	Speed of Rot. Gobo Selection from max. to min. (0-25.5sec.)	proportional
<b>14</b>	<b>13</b>	<b>11</b>		<b>Static gobo wheel</b>	
				<b><u>Continual Positioning</u></b>	
				<i>In range 0-64 DMX is possible fine gobo positioning - set value on channel 15</i>	
			0	Open/hole (6.5°)	proportional
			7	Beam reducer (5.5°)	proportional
			14	Beam reducer (4.5°)	proportional
			21	Beam reducer (3°)	proportional
			28	Beam reducer (1.5°)	proportional
			35	Gobo 1	proportional
			42	Gobo 2	proportional
			49	Gobo 3	proportional
			56	Gobo 4	proportional
			64	Open/hole	proportional
				<b><u>Positioning</u></b>	
			65 - 70	Beam reducer (5.5°)	step
			71 - 75	Beam reducer (4.5°)	step
			76 - 81	Beam reducer (3°)	step
			82 - 86	Beam reducer (1.5°)	step
			87 - 92	Gobo 1	step
			93 - 97	Gobo 2	step
			98 - 103	Gobo 3	step
			104 - 109	Gobo 4	step
				<b><u>Shaking gobos from slow to fast</u></b>	
			110 - 121	Beam reducer (5.5°)	proportional
			122 - 131	Beam reducer (4.5°)	proportional
			132 - 143	Beam reducer (3°)	proportional
			144- 153	Beam reducer (1.5°)	proportional
			154 - 165	Gobo 1	proportional
			166 - 175	Gobo 2	proportional
			176 - 187	Gobo 3	proportional
			188 - 199	Gobo 4	proportional
			200 - 201	Open/hole	step
			202 - 221	Forwards gobo wheel rotation from fast to slow	proportional
			222 - 223	No rotation	
			224 - 243	Backwards gobo wheel rotation from slow to fast	proportional

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1	2	3			
			244 - 249	Random gobo selection by audio control	step
				(Set microphone sensitivity in menu „Personality“)	
			250 - 255	Auto random gobo selection from fast to slow	proportional
15	*	*		<b>Static gobo wheel-fine</b>	
			0 - 255	Fine positioning	proportional
16	14	12		<b>Rotating gobo wheel</b>	
				<i>In the range of 0-59 DMX the gobo selection speed is controlled by the Effect Speed channel.</i>	
				<b><u>Index - set indexing on channel 17/15/13</u></b>	
			0-3	Open/hole	step
			4-7	Gobo 1	step
			8-11	Gobo 2	step
			12-15	Gobo 3	step
			16-19	Gobo 4	step
			20-23	Gobo 5	step
			24-27	Gobo 6	step
			28-31	Gobo 7	step
				<b><u>Rotation - set rotation on channel 17/15/13</u></b>	
			32-35	Gobo 1	step
			36-39	Gobo 2	step
			40-43	Gobo 3	step
			44-47	Gobo 4	step
			48-51	Gobo 5	step
			52-55	Gobo 6	step
			56-59	Gobo 7	step
				<b><u>Shaking gobos from slow to fast</u></b>	
				<b><u>Index - set indexing on channel 17/15/13</u></b>	
			60 - 69	Gobo 1	proportional
			70 - 79	Gobo 2	proportional
			80 - 89	Gobo 3	proportional
			90 - 99	Gobo 4	proportional
			100 - 109	Gobo 5	proportional
			110 - 119	Gobo 6	proportional
			120 - 129	Gobo 7	proportional
				<b><u>Shaking gobos from slow to fast</u></b>	
				<b><u>Rotation - set rotation on channel 17/15/13</u></b>	
			130 - 139	Gobo 1	proportional
			140 - 149	Gobo 2	proportional
			150 - 159	Gobo 3	proportional
			160 - 169	Gobo 4	proportional
			170 - 179	Gobo 5	proportional
			180 - 189	Gobo 6	proportional
			190 - 199	Gobo 7	proportional
			200 - 201	Open/hole	step
			202 - 221	Forwards gobo wheel rotation from fast to slow	proportional
			222 - 223	No rotation	step
			224 - 243	Backwards gobo wheel rotation from slow to fast	proportional
			244 - 249	Random gobo selection by audio control	step
				(Set microphone sensitivity in menu „Personality“)	
			250 - 255	Auto random gobo selection from fast to slow	proportional

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Mode/channel			DMX Value	Function	Type of control
1	2	3			
17	15	13		<b>Rot. gobo indexing and rotation</b>	
				<i>Gobo indexing - set position on channel 16/14/12</i>	
			0 - 255	Gobo indexing	proportional
				<i>Gobo rotation - set position on channel 16/14/12</i>	
			0	No rotation	step
			1 - 127	Forwards gobo rotation from fast to slow	proportional
			128 - 129	No rotation	step
			130 - 255	Backwards gobo rotation from slow to fast	proportional
18	*	*		<b>Rot. gobo indexing/rotation - fine</b>	
			0-255	Fine indexing (rotation)	proportional
19	16	14		<b>Frost</b>	
			0	Open	step
			1 - 179	Frost from 0% to 100%	proportional
			180 - 189	100% frost	step
			190 - 211	Pulse closing from slow to fast	proportional
			212 - 233	Pulse opening from fast to slow	proportional
			234 - 255	Ramping from fast to slow	proportional
20	17	15		<b>Focus</b>	
			0 - 255	Continuous adjustment from far to near	proportional
21	*	*		<b>Focus - fine</b>	
			0- 255	Fine focusing	proportional
22	18	16		<b>Shutter/ strobe</b>	
			0 - 31	Shutter closed, Lamp power reduced to 180 W	step
			32 - 63	Shutter open, Full lamp power	step
			64 - 95	Strobe-effect from slow to fast	proportional
			96 - 127	Shutter open, Lamp power reduced to 180 W	step
			128 - 143	Opening pulse in sequences from slow to fast	proportional
			144 - 159	Closing pulse in sequences from fast to slow	proportional
			160 - 191	Shutter open, Electronic strobing „ZAP“ from slow to fast	proportional
			192 - 223	Random strobe-effect from slow to fast	proportional
			224 - 255	Shutter open, Full lamp power	step
23	19	17		<b>Dimmer intensity</b>	
			0 - 255	Dimmer intensity from 0% to 100%	proportional
24	*	*		<b>Dimmer intensity - fine</b>	
			0 - 255	Fine dimming	proportional